

Ph.D.

Centre for Interdisciplinary Research

D. Y. Patil Education Society

Deemed to be University, Kolhapur

Accredited by NAAC with 'A++' Grade

"IMPARTING KNOWLEDGE WITH EXCELLENCE"

ADMISSIONS OPEN



About Us :

The Centre for Interdisciplinary Research (CIR) stands as a vibrant hub of innovation, nurturing excellence in health science education, research, and training. Guided by the visionary leadership of Padmashree Dr. D. Y. Patil, our Founder President, CIR is steadily progressing toward becoming a world-class research and academic centre. With more than 100 full-time Ph.D. research scholars working across diverse areas such as energy, environment, biomedical applications, medical physics, and material science, CIR fosters a thriving ecosystem of interdisciplinary collaboration. Over the past five years, CIR has made significant contributions to intellectual property generation, with numerous patents and copyrights to its credit. Students are trained to draft and file their own patents based on their research outcomes, which are further incubated and nurtured at the APJ Abdul Kalam Incubation Centre. Supported by highly qualified faculty with international exposure and state-of-the-art research facilities, CIR empowers innovation and translational research. To encourage academic excellence, the Sou. Shantadevi D. Patil Merit Scholarship offers a 100% fee waiver each year to outstanding students, making CIR a preferred destination for aspiring researchers.

OBJECTIVES OF CIR

- To develop a full-fledged infrastructure for undertaking teaching and R & D programs of nanomaterials, medical biotechnology and stem cells for applications in biomedical field.
- To organize Training and Research programs in the Interdisciplinary areas.
- To develop devices for energy production, energy storage, environment protection, and medical science.

THRUST AREAS OF RESEARCH IN CIR

- Nano materials and their applications in biomedical field.
- Large area thin film materials-based devices.
- Device development : Super capacitors, solar cells, OER and HER, Bio sensors, gas sensors, water splitting cells, electro chromic devices, decomposition of toxic and hazardous chemicals, batteries etc.
- Medical Physics, Radiation Therapy, Radiation dosimetry, Radiation safety, Stem cell, Tissue engineering, Microbial biotechnology, 3D bio printing, organ scaffolds, nano biotechnology, pathogen detection kit development and cancer bio markers.

HIGHLIGHTS

- Highly qualified and experienced Faculty.
- State of art research facility and infrastructure.
- Wi-Fi campus with Hi-Tech Laboratories and Class rooms.
- Focus on Interdisciplinary Research.
- Extramural Research projects funding of about Rs. 6 Crore (UGC-CSIR, DBT, DST, DST-SERB).
- Fellowships awarded to Ph. D. students : SARTHI, BARTI, MAHAJYOTI, CSIR-UGC, Lady Tata Memorial fellowship, Dr. D. Y. Patil Meritorious fellowship.

ABOUT THE Ph.D PROGRAM

- Offered in : Physics, Medical Physics, Medical Biotechnology, Chemistry, Biochemistry, Nano Technology, Nano Science, Stem Cell & Regenerative Medicine, Microbiology, Zoology, Biotechnology, Nano Biotechnology, Human Genetics, Stem Cell Technology.

Duration : 3 to 6 years

CAREER OPPORTUNITY :

- **Govt Sectors** : Govt research Institutes such as NCL, BARC, NPL, DST, TIFR, NCCS, CSIR, CDRI, DRDO, CCMB, NII, IIT, ICMR, IISER etc.
- **Private Sectors** : Virology labs, Covid testing labs, pharmaceutical and biotech industries, R&D sectors etc.
- **Research/Teaching** : Govt. and private universities/colleges/institutes (national and international), further higher studies in India or abroad.
- **Leadership qualities and entrepreneurship** : The programme builds leadership qualities in students to become entrepreneurs.

Eligibility :

- PG in relevant subject as per UGC guideline (For Ph.D other than Medical physics).
- For Ph.D in Medical Physics Candidate must have passed Master's degree (2 years) in Medical Physics/Radiological Physics or Post M.Sc (Physics) with Diploma in Radiological Physics after a regular B.Sc.(Physics). Admission on the basis of entrance exams by the University.

***Fees can be paid in installments**

Fellowship : Sou. Shantadevi Patil Scholarship (Full Fee waiver) given to meritorious students.

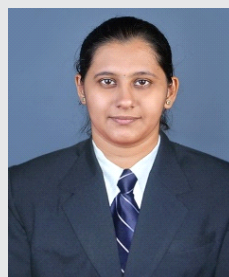
ALUMNI RESEARCHERS



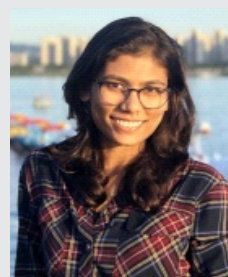
Ranjith C. P.
Lynn Cancer institute
Baptist Health South Florida,
USA



Ratheesh K. E.
Compass Cancer Centre,
East Lansing, Michigan, USA



Bhosale S. B.
Post-doctoral Researcher
Industry-University Research,
South Korea



Dr. Shital Kale
Research Professor,
Chonnam National University,
South Korea.



Dr. Ashwini B. Salunkhe
Assistant Professor,
Rajaram College, Kolhapur



Dr. Nanaso D. Thorat
Marie-Curie Fellow (Researcher),
University of Oxford



Dr. Seema J. Dhawal
Sub Regional Officer ,
MPCB Division, Mumbai



Dr. Hemraj M. Yadav
Ramanujam Fellow,
Shivaji University, Kolhapur



Date Bars :

▶ Application form online /offline opens	1 st Weeks of May onwards
▶ Last Date of submission of applications	1 st Weeks of June
▶ Entrance Examination	2 nd Weeks of June
▶ Announcement of Results	3 rd Weeks of June
▶ Course Commencement	1 st Weeks of July

Those who are appearing for M.Sc. final examination can also apply.

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Final dates will be displayed on our University Website : www.dypatilunikop.org
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Application is to be filled through link given on website
www.dypatilunikop.org. | www.cir.dypatilunikop.org
Email ID : cirofficedyp@gmail.com

For all Details
Contact
7030934461